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**B.A. IN APPAREL DESIGN AND  
MERCHANDISING (BAADM)**

**Term-End Examination**

**December, 2011**

**BFM-038 : INTRODUCTION TO TEXTILES - I**

*Time : 3 hours*

*Maximum Marks : 100*

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*Note : (i) Section - A is compulsory (70 marks)*

*(ii) Section - B Attempt any two questions (30 marks)*

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**SECTION - A (70 marks)**

*All questions are compulsory :*

1. Define the following (*any 10*) **3x10=30**
- (a) Hand
  - (b) Loft
  - (c) Elongation
  - (d) Tensile strength
  - (e) Crimp
  - (f) Moisture Regain
  - (g) Mono-filament
  - (h) Protein fibers
  - (i) Regenerated cellulose

- (j) Chemical properties of any man made filament
- (k) Flammability
- (l) Cotton count system

2. Differentiate between the following, giving at least *two* points of difference for the following (Attempt *any* 5 questions) : **4x5=20**

- (a) Cellulose and Protein fibers
- (b) Fibre and filament
- (c) Nylon and polyester
- (d) Direct and Indirect Numbering System
- (e) Wovens and Non-wovens, with examples
- (f) Yarn and Sewing thread
- (g) Simple and Complex yarns

3. Write short answers for *any* 5 of the following : **2x5=10**

- (a) Importance of twist in a yarn
- (b) Physical properties of silk
- (c) Any two types of textured yarns
- (d) Basic operations of a loom
- (e) Process of degumming
- (f) Importance of mercerisation and its effect on physical properties of the fibre in question.

4. Describe the characteristics of the following fabrics. (Attempt *any* 5 questions) : 2x5=10

- (a) Voile
- (b) Dupionni
- (c) Seersucker
- (d) Organdy
- (e) Tweed
- (f) Velveteen
- (g) Flannel

## SECTION - B (30 Marks)

Attempt *any two* questions of your choice :

5. In context of the process of spinning, answer the following : 5+3+7=15
- (a) Difference between carding and combing
  - (b) Short staple and long staple fibers
  - (c) The process of spinning
6. With reference to weaving of textiles answer each of the following : 3x5=15
- (a) What are warp and weft yarns ?
  - (b) Name different types of shuttless looms and explain any one in brief.
  - (c) Purpose of reed and shuttle.
  - (d) Characteristics of twill weave fabrics.
  - (e) Difference between dobby and jacquard in terms of loom structure, number of yarns, and motif development.
7. (a) Give an overview of Global Textile industry focussing primarily upon the major export destinations of India and the fibre type being exported. 8+7=15
- (b) What do you understand by processing of textiles ? Discuss about any one pre and post processing process.
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